

SMIP26 SEMINAR ON UTILIZATION OF STRONG-MOTION DATA

October 22, 2026

FINAL PROGRAM

9:15 am **WELCOMING REMARKS**

Farzad Naeim, Chair, Strong Motion Instrumentation Advisory Committee (SMIAC)
Jeremy Lancaster, State Geologist and Director, California Geological Survey

9:25 am **INTRODUCTION**

Hamid Haddadi, Program Manager, CSMIP
Daniel Swensen, Data Interpretation Project Manager, CSMIP

Session I

Moderator: *Zia Zafir*, Kleinfelder and SMIAC

9:30 am **Preliminary Analysis of Stations with Unusually High Ground Motion through Non-ergodic Modeling Framework**

Linda Al Atik, Linda Alatik Consulting
Nicholas Gregor, Nicholas Gregor Consulting
Chih-Hsuan Sung and Norman Abrahamson, UC Berkeley

10:00 am **Recent Advances in the Characterization of Ground Motion Directionality and Its Implications for Structural Analysis**

Nathan Girmay and *Eduardo Miranda*, Stanford

10:30 am **Break**

Session II

Moderator: *Marty Hudson*, Hudson Geotechnics and SMIAC

11:00 am **Application of the BA19 and Aea26 GMMs to the Sierras of Eastern California and Evaluation of Site Response Predictors**

Santosh Katuwal, *Renmin Pretell*, Carlos Fernandez and Ramin Motamed, UNR
Jeff Bayless, AECOM
Norman Abrahamson, UC Berkeley

11:30 am **HVSR Database and Application for Site Response Prediction in California**

Javier Ornelas, Scott Brandenburg and *Jonathan P. Stewart*, UC Los Angeles
Chris de la Torre, University of Canterbury
Tristan Buckreis, University of Hawaii
Chukwuebuka Nweke, USC

12:00 pm **Lunch Break**

<i>Session III</i>

Moderator: *Bret Lizundia*, Rutherford + Chekene and SMIAC

1:00 pm **Preliminary Evaluation of Kinematic Soil-Structure Interaction on Seismic Demands on Building Nonstructural Components**

Eduardo Miranda and Diego Montemayor, Stanford University

1:30 pm **Nonlinear System Identification and Non-Structural Demands in California Base-Isolated Buildings Under Recorded Ground Motions**

Aniruddha Das and *Satish Nagarajaiah*, Rice University

2:00 pm **Break**

<i>Session IV</i>

Moderator: *Faiz Makdisi*, GFT, Inc. and SMIAC

2:30 pm **Learning from CSMIP Records: Field Cases for Evaluating 3D Nonlinear Dynamic Analyses**

Katerina Ziotopoulou and Darya Kholodova, UC Davis

Lelio Mejia, Geosyntec Consultants

3:00 pm **Assessment of Vibration Characteristics of Del Valle Dam Using Empirical and Numerical Methods**

Adda Athanasopoulos-Zekkos and Bofei Xu, UC Berkeley

Makbule Ilgac, Yildiz Technical University

Chukwuebuka Nweke, USC

Nicholas Novoa and Elizabeth Grant, DWR

3:30 pm **Adjourn**